

Spectrophotometry of ϵ Aur, 3295-8880 Å

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We obtained spectrophotometric scans at 8 Å resolution from 3295 to 8880 Å on twenty nights before, during, and after the recent eclipse of ϵ Aurigae, beginning with a pre-eclipse observation on 5 March 1982 U.T. The observations were reduced to absolute flux using the standard stars 109 Vir or ξ^2 Ceti. Our data confirm that the eclipse is essentially gray over the entire visible spectrum, as others have noted from broadband photometry. High-resolution echellograms (4500-6700 Å) made through mid-eclipse and the scans show changes in the equivalent widths of H α , Na D, and O I as large as a factor of two.